



Guillermo Pérez Ruiz

Tech Lead (Hands-On) / Senior Full-Stack Engineer

Senior Tech Lead and Architect with over 7 years of experience specialized in **legacy platform modernization** and **scalable cloud infrastructures**. Expert in bridging the gap between product strategy and engineering execution. Proven track record in leading cross-functional teams, orchestrating high-traffic digital ecosystems, and integrating cutting-edge AI automation into production workflows.

LINKS & CONTACT

Personal Website

LinkedIn Profile

GitHub Repos

Email Me

+34 687 96 81 29

Burgos, Spain · Remote Available

TECHNICAL ARSENAL

LEADERSHIP

Tech Lead Player-Coach
System Design Legacy Modernization
Agile/SAFe

CLOUD & DEVOPS

AWS ECS/Fargate S3/CloudFront
Docker GH Actions/CI/CD
Terraform Snyk/SonarQube

DEVELOPMENT

TypeScript React (Hooks)
Node/NestJS Spring Boot Electron
Go/Scala

DATA & SYSTEMS

PostgreSQL MongoDB Redis/Kafka
CAN bus/UDS

EDUCATION & CERTS

BSc Computer Engineering
University of Salamanca

SAFe 4 Agilist Java SE 8

PROFESSIONAL EXPERIENCE

Tech Lead (Hands-On) / Senior Full-Stack Engineer 2021 – PRESENT

MAHLE SmartBike Systems

Technical owner of the digital platform ecosystem, leading a squad of 4 Full-Stack engineers.

- **Legacy Modernization:** Transformed a monolithic React/Express application with severe technical debt into a micro-service ready architecture, eliminating manual bash-based EC2 deployments.
- **Cloud Infrastructure:** Architected and migrated all services to **AWS ECS (Fargate)** with auto-scaling, ALB, and orchestrated the frontend via S3 + CloudFront.
- **Advanced CI/CD:** Engineered automated multi-environment pipelines with branch synchronization, release blocking mechanisms, and integrated **Snyk/SonarQube** gates.
- **Electron & Hardware:** Built an Electron application for end-of-line manufacturing, integrating **CAN bus and UDS protocols** for bicycle diagnostics and firmware management.
- **Data Architecture:** Optimized storage by decoupling the monolithic database; migrating location data to S3, sessions to Redis, and volatile configs to NoSQL.
- **Observability:** Implemented enterprise monitoring with **Grafana** and CloudWatch alarms for real-time fault detection.

QA-DevOps & Full-Stack Developer / Technical Lead 2020 – 2023

Izertis S.A. (Client: Inditex)

Member of the enablement team improving software quality across Inditex's global portfolio.

- **Scale Automation:** Developed mass-analysis scripts to evaluate the technical health of thousands of repositories, centralizing scoring metrics in Grafana.
- **Application Discovery:** Led as Technical Lead the development of the company-wide "Yellow Pages" platform using **React, Spring Boot, and Kafka**.
- **Standardization:** Migrated legacy Bamboo pipelines to modern **GitHub Actions** and enforced organization-wide quality gates (Jacoco, Sonar).

Full-Stack Programmer Analyst 2018 – 2020

Cognizant Technology Solutions

Full-stack development for KBC Bank (Belgium) in a microservices environment.

- **Banking Evolution:** Modernized digital banking features, migrating legacy AngularJS components to modern Angular while maintaining transaction integrity.
- **Microservices:** Designed and implemented high-criticality services from scratch using **Spring Boot and Scala**.
- **Global Collaboration:** Operated in 100% English-speaking squads across Belgium, India, and Czech Republic.

Angular

Microservices

Jenkins

Scala

AWS

PRODUCTION PROJECTS (PERSONAL)

Adventure Forge

AI storytelling engine with dynamic narrative/image generation and high-availability model fallback system.

[View System](#) ↗

Galactic Conquest

Space-themed procedural deckbuilder roguelike leveraging AI for dynamic content (React 19 + Vite).

[View Code](#) ↗

Crear es Arte

Professional artisan e-commerce platform with automated Vercel CI/CD and SEO optimization.

[Visit Store](#) ↗

Yoga & Mindfulness App

Full-lifecycle Android application published on Play Store (Java/Android Studio).

[Published on Store](#)

LANGUAGES

Spanish: Native

English: C1 (Professional)